

Application No.: 09/913,362  
Amendment Dated: August 12, 2005  
Reply to Office Action of: April 27, 2005

MAT-8172US

**ABSTRACT**

A non-contact position sensor includes a plurality of magnets, at least one magnetic sensor element, and an object to be detected. The plurality of magnets form a magnetic circuit which includes a U-shaped first magnetic body, a U-shaped second magnetic body, and the plurality of magnets. The plurality of magnets are disposed between the two U-shaped magnetic bodies. The magnetic sensor element is held by the two U-shaped magnetic bodies.